

**ABSTRACT**

[00069] A method for allocating buffer capacity includes determining at least one characteristic of a first input/output (I/O) device that is coupled to a memory device interface, the memory device interface being configured to enable data transfers between the I/O device and a memory device, and buffering data corresponding to the first I/O device in a first portion of a buffer of the memory device interface, a size of the first portion being responsive to the at least one characteristic of the first I/O device.